

Amendments to the Claims:

Please amend the claims as follows:

1-65. (cancelled)

66. (currently amended) An inductive coil for an electromotive device, comprising:

a pair of concentric inner and outer sheet metal winding portions separated by a continuous non-conductive fiber strand extending around the circumference of the inner winding portion a plurality of times to form an insulation layer, each of the winding portions comprising a plurality of axially extending conductive bands with each of the conductive bands of one of the winding portions being coupled to one of the conductive bands of the other winding portion, ~~the winding portions being impregnated with an encapsulation material~~ the inductive coil being encapsulated with a material that impregnates the winding portions and the insulation layer.

67. (previously added) The inductive coil of claim 66 further comprising a second continuous non-conductive fiber strand extending around the circumference of the outer winding portion a plurality of times.

68. (cancelled)

69. (currently amended) The inductive coil of claim 66 wherein the continuous non-conductive fiber strand extends around the circumference of the inner winding portion from one of the inner winding portion ends to the other inner winding portion end ~~to form an insulation layer.~~

70. (cancelled)

71. (previously added) The induction coil of claim 69 further comprising a second non-conductive fiber strand extending around the circumference of the insulation layer a plurality of times from one end of the inner winding portion to the other end of the inner winding portion to form a second insulation layer between the inner and outer winding portions.



72. (previously added) The inductive coil of claim 66 wherein each space separating the conductive bands is less than 1.5 time the thickness of every one of the conductive bands.

73. (previously added) The inductive coil of claim 66 wherein the continuous non-conductive fiber strand comprises glass.

74. (previously added) The inductive coil of claim 73 where the continuous non-conductive fiber strand comprises a thickness between 0.00030-0.00075 inch.

75. (previously added) The inductive coil of claim 66 wherein the encapsulation material comprises polyimide.

76. (previously added) The inductive coil of claim 66 wherein each of the winding portions comprises precision machined and rolled copper.

77. (previously added) The inductive coil of claim 66 wherein each of the conductive bands comprises a tensile strength greater than 40,000 psi.

78. (previously added) The inductive coil of claim 66 wherein each of the conductive bands comprises a yield strength greater than 30,000 psi.

79. (previously added) The inductive coil of claim 66 wherein each of the conductive bands comprises a percent elongation less than 20%.

80. (previously added) The inductive coil of claim 66 wherein each of the conductive bands comprises a hardness greater than a Brunell number of 70.

81. (previously added) The inductive coil of claim 66 further comprising an electrically insulated metal flywheel coupled to an interior portion of the induction coil.

82. (previously added) The inductive coil of claim 81 wherein the electrical insulation comprises an anodized outer surface of the flywheel, the anodized outer surface being in contact with the interior portion of the induction coil.

83. (previously added) The inductive coil of claim 82 wherein the metal comprises aluminum.

84. (new) The inductive coil of claim 67 wherein the second continuous non-conductive fiber stand forms an outer layer around the circumference of the outer winding, and wherein the material encapsulating the coil impregnates the outer layer.

85. (new) The inductive coil of claim 71 wherein the material encapsulating the coil impregnates the second insulation layer.